

Kindly amend claims 1, 2, 7-9, 11, 12, 14-17, 21, 26, 27, 29 and 35-38 as follows:

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1. (Twice Amended) An ultrasonic motor comprising:  
a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a diagonal line of the vibrating body, the piezoelectric element having four areas divided by two lines each connecting centers of a first pair of opposite sides and centers of a second pair of opposite sides, respectively, of the vibrating body, each of the four areas having an electrode portion;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node; and

a moving body disposed in contact with and driven by the protrusion during vibration thereof.

2. (Twice Amended) An ultrasonic motor comprising:  
a vibrating body;

a piezoelectric element having four areas each having an electrode portion and divided by two diagonal lines of the vibrating body, the piezoelectric element being disposed on the vibrating body for generating a vibration wave

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to vibrate the vibrating body, the vibration wave having a vibration node disposed on a line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite to the first side;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node; and

a moving body disposed in contact with and driven by the protrusion during vibration thereof.

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7. (Twice Amended) An ultrasonic motor comprising:  
a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a diagonal line of the vibrating body;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node;

a moving body disposed in contact with and driven by the protrusion during vibration thereof; and

a support member for supporting the vibrating body along the diagonal line thereof.

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8. (Twice Amended) An ultrasonic motor comprising:  
a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a diagonal line of the vibrating body;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node;

a moving body disposed in contact with and driven by the protrusion during vibration thereof; and

a support member for supporting at least two corners of the vibrating body along the diagonal line thereof.

9. (Twice Amended) An ultrasonic motor comprising:  
a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a diagonal line of the vibrating body;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node;

a moving body disposed in contact with and driven by the protrusion during vibration thereof; and

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a support member for supporting the vibrating body along a line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite the first side.

11. (Twice Amended) An ultrasonic motor comprising: a vibrating body; a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a diagonal line of the vibrating body; at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node; and a moving body disposed in contact with and driven by the protrusion during vibration thereof; wherein the vibrating body has a groove formed in a surface thereof and along the diagonal line.

12. (Twice Amended) An ultrasonic motor according to claim 1; wherein the vibrating body is driven by applying a drive signal to two of the electrode portions of the piezoelectric element.

14. (Twice Amended) An ultrasonic motor comprising: a vibrating body; and a piezoelectric element formed on the vibrating body for vibrating the vibrating body, the piezoelectric element having a plurality of divided areas

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polarized in the same direction after the piezoelectric element is formed on the vibrating body.

15. (Twice Amended) An ultrasonic motor comprising: a generally plate-shaped vibrating body; and a piezoelectric element bonded on the vibrating body and having four areas divided by two diagonal lines of the vibrating body and a plurality of polarized portions polarized in the same direction, each area having an electrode portion corresponding to a respective one of the polarized portions; wherein the vibrating body is vibrated by applying drive signals different in phase by 180 degrees to two of the electrode portions.

16. (Twice Amended) An ultrasonic motor comprising: a generally plate-shaped body; and a piezoelectric element bonded on the vibrating body and having four areas divided by two lines connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite to the first side, each area having an electrode portion; wherein the piezoelectric element has a plurality of polarized portions polarized in the same direction and each corresponding to a respective one of the electrode portions; and wherein the vibrating body is vibrated by applying drive signals different in phase by 180 degrees to two of the electrode portions.

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17. (Amended) An ultrasonic motor comprising: a vibrating body having a piezoelectric element for vibrating the vibrating body; a moving body rotationally driven by a vibration of the vibrating body; a pressurizing member for pressing the moving body into pressure contact with the vibrating body; and a bearing portion disposed on the pressurizing member for guiding rotational movement of the moving body; wherein rotational movement of the moving body is regulated by the pressurizing member and the bearing portion.

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21. (Amended) An ultrasonic motor according to claim 20; wherein the piezoelectric element has a plurality of polarized portions polarized in the same direction and each corresponding to a respective one of the electrodes.

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26. (Amended) An ultrasonic motor according to claim 2; wherein the piezoelectric element has a plurality of electrodes for generating a bending vibration wave in a thickness direction of the vibrating body.

27. (Amended) An ultrasonic motor according to claim 2; wherein the vibrating body is vibrated by applying a driving signal to two of the electrodes.

29. (Amended) An ultrasonic motor according to claim 2; wherein the piezoelectric element has a plurality of electrodes for generating a bending vibration wave in a

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thickness direction of the vibrating body and a plurality of polarized portions polarized in the same direction and each corresponding to a respective one of the electrodes.

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35. (Amended) An ultrasonic motor comprising:  
a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite to the first side;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node;

a moving body disposed in contact with and driven by the protrusion during vibration thereof; and

a support member for supporting the vibrating body along a diagonal line of the vibrating body.

36. (Amended) An ultrasonic motor comprising:  
a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a

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line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite to the first side;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node;

a moving body disposed in contact with and driven by the protrusion during vibration thereof; and

a support member for supporting a corner of the vibrating body along a line extending from a diagonal line of the vibrating body.

37. (Amended) An ultrasonic motor comprising:

a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite to the first side;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node;

a moving body disposed in contact with and driven by the protrusion during vibration thereof; and



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a support member for supporting the vibrating body along a line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite to the first side.

38. (Amended) An ultrasonic motor comprising:

a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite to the first side;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node; and

a moving body disposed in contact with and driven by the protrusion during vibration thereof;

wherein the vibrating body has a groove formed in a surface thereof and along a line on which the vibration node extends.

Kindly add the following new claims 41-43:

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41. An ultrasonic motor according to claim 1; wherein the piezoelectric element has a plurality of electrodes for generating a bending vibration wave in a

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thickness direction of the vibrating body and a plurality of polarized portions polarized in the same direction and each corresponding to a respective one of the electrodes.

42. An ultrasonic motor comprising:

a vibrating body;

a piezoelectric element disposed on the vibrating body for generating a vibration wave to vibrate the vibrating body, the vibration wave having a vibration node disposed on a line connecting a center of a first side of the vibrating body and a center of a second side of the vibrating body opposite the first side, the piezoelectric element having four areas divided by two lines each connecting centers of a first pair of opposite sides and centers of a second pair of opposite sides, respectively, of the vibrating body, each of the four areas having an electrode portion;

at least one protrusion connected to the vibrating body for vibration therewith, the protrusion being disposed on the vibrating body at a position which does not correspond to the position of the vibration node; and

a moving body disposed in contact with and driven by the protrusion during vibration thereof.

43. An ultrasonic motor comprising:

a vibrating body;

a piezoelectric element having four areas each having an electrode portion and divided by two diagonal lines